

**Table 6-2
Sediment Sampling Summary
For Radiochemistry Analyses**

Geomorphic Area	Total Number of Locations	Number of Radio-chemistry Samples From Each Core	Number of Field Samples – Lead-210				Number of Field Samples – Cesium-137				Number of Field Samples – Beryllium-7			
			Sediment Samples ^a	Field Duplicate	MS/MSD ^b	Total Samples	Sediment Samples ^a	Field Duplicate	Laboratory Duplicate ^b	Total Samples	Sediment Samples ^c	Field Duplicate	Laboratory Duplicate ^b	Total Samples
Northern Navigational Channels (North of Port Newark)	6	9	54	3	6	63	--	--	--	--	6	1	1	8
Transitional Slopes	5	9	45	3	6	54	45	3	3	51	5	1	1	7
Sub-tidal Flats (deep)	9	9	81	5	10	96	81	5	5	91	9	1	1	11
Sub-tidal Flats (shallow)	19	9	171	9	18	198	171	9	9	189	19	1	1	21
Industrial Waterfront	9	9	82 ^d	5	10	97	82 ^d	5	5	92	9	1	1	11
Inter-tidal Areas	3	9	27	2	4	33	27	2	2	31	3	1	1	5
Total Number of Samples^e			460	27	54	541	406	24	24	454	51	6	6	63

Notes:

- a. Table represents maximum number of radiochemistry samples to be collected. The actual number of samples collected may be lower.
- b. Assumes MS/MSD (or duplicates) are collected at a rate of 1 (MS) and 1 (MSD) per 20 samples.
- c. Only a surface sample will be collected for Beryllium-7.
- d. Core 012 will be segmented into ten samples instead of the nine samples proposed for cores 002, 025, 036, 049, 065, 067, 068, and 069.
- e. Total number of samples includes QA/QC samples.